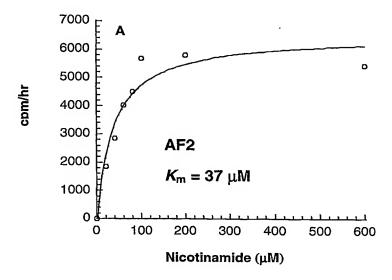
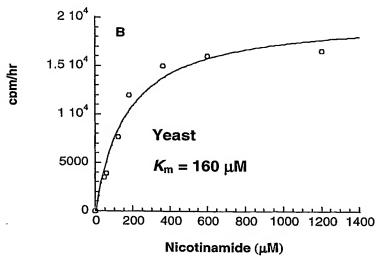
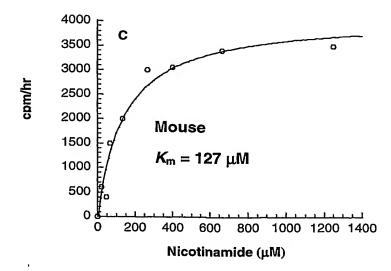
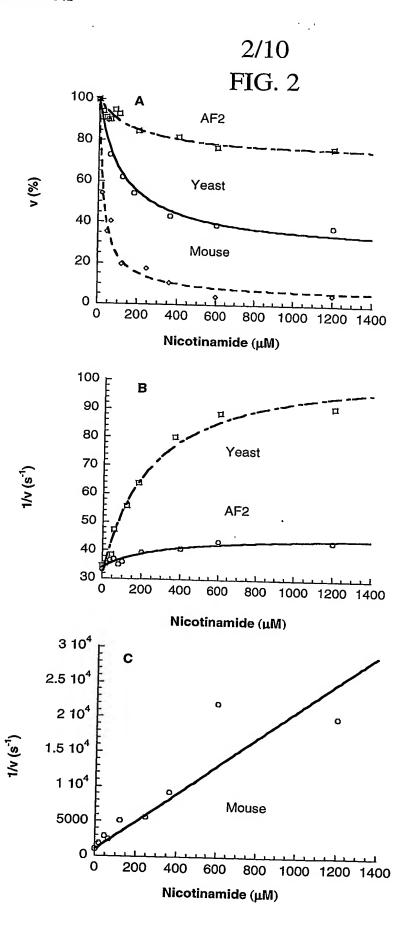
1/10 FIG. 1

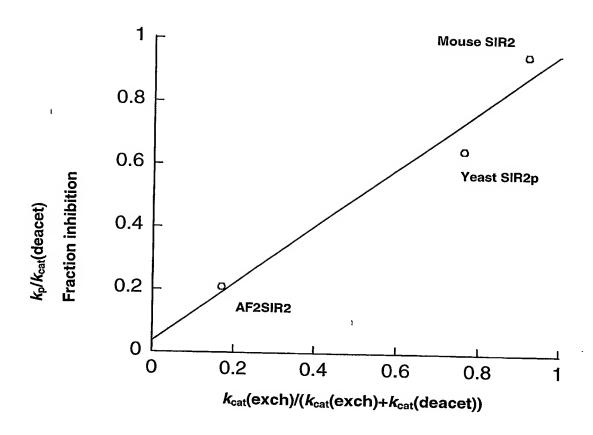




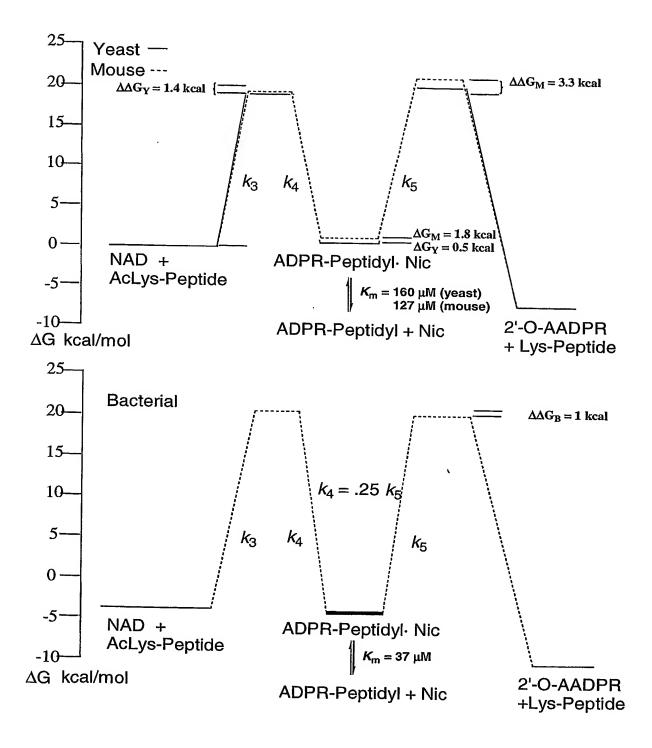




3/10 FIG. 3



4/10 FIG. 4



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5/10 FIG. 5 SCHEME I

A
$$E + NAD^+ + AcLys-Protein$$
 $E \cdot NAD^+ \cdot AcLys-protein$ $E \cdot ADPR-AcLys-protein$ H_2O

E + 2'-AADPR +Lys-Protein

ADPR-Peptidyl-Intermediate

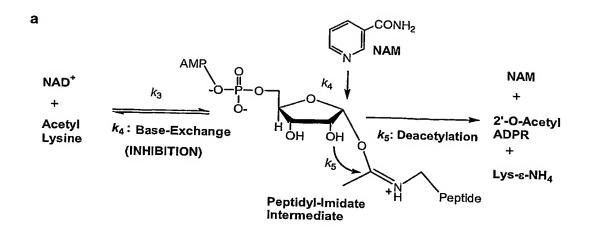
C

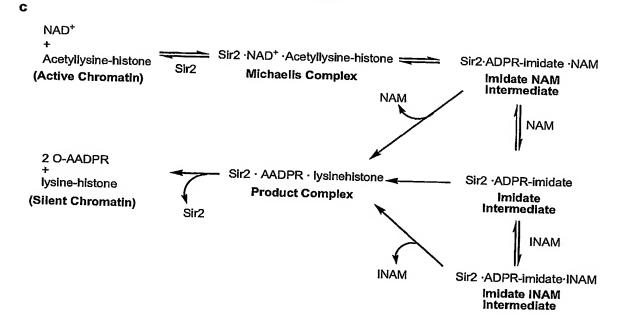
$$K_{eq} = k_3/k_4$$

AMR

 N_{OH}
 N_{OH}

6/10 FIG. 6



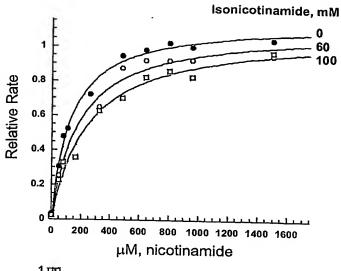


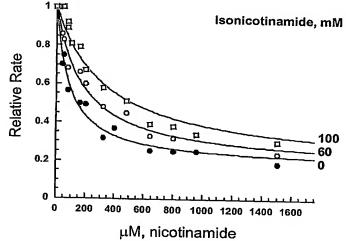
a

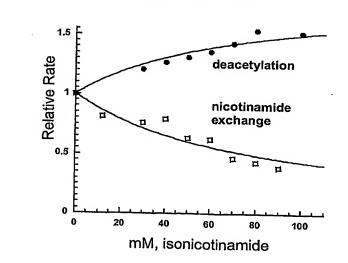
b

C

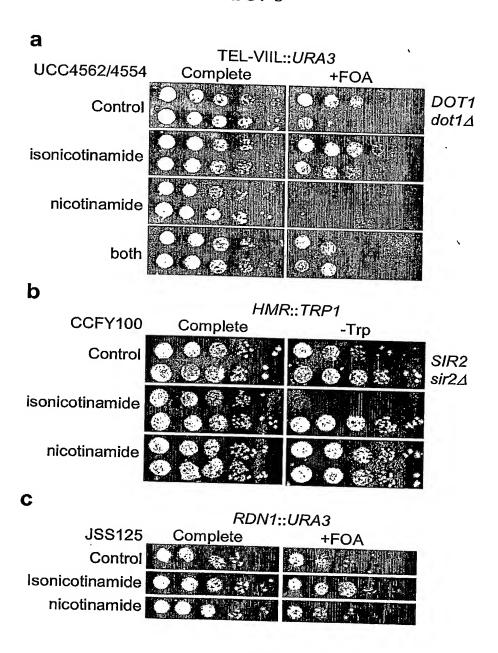
7/10 FIG. 7



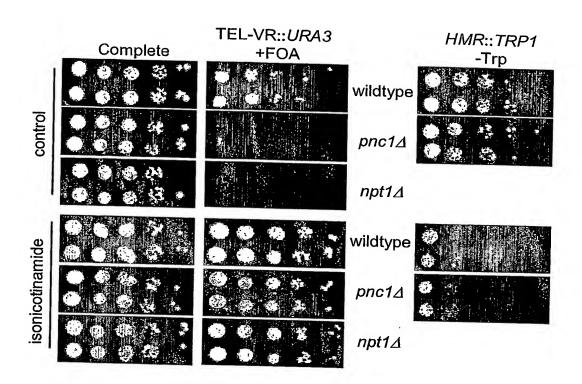




8/10 FIG. 8



9/10 FIG. 9



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10/10 FIG. 10

